TABLE OF CONTENTS

INTRODUCTION to the BrakeMate 2

SAFETY INFORMATION 3

SYSTEM FEATURES & SPECIFICATIONS 9

MACHINE OVERVIEW 10

OPERATING PROCEDURES 13

MASTER CYLINDER ADAPTERS 15

REPLACEMENT PARTS 16

MAINTENANCE 18

CUSTOMER SERVICE CONTACT INFO 18

WARRANTY INFORMATION 19

INTRODUCTION
to the **BrakeMate**

Congratulations on the purchase of your BrakeMate brake flush machine!

The BrakeMate is a fully automatic brake-flushing machine that can service all 4 wheels in under 9 minutes.

Brake service is now more profitable, since we have eliminated the need for a second technician when performing a brake bleeding service.

The BrakeMate provides the shop with the ability to flush and pressure test a brake system faster and easier than ever before with a combination of automation, speed and effectiveness. The Brakemate also follows the OE recommended flushing sequence.

Please take time to read through this manual to familiarize yourself with the BrakeMate before performing your first brake flush.

IMPORTANT SAFETY NOTICE

For your safety, read this manual thoroughly before operating this machine. Your BrakeMate unit is intended for use by properly trained, skilled professional automotive technicians. The safety messages presented below and throughout this user's manual are reminders to the operator to exercise care when using this unit. Before using your BrakeMate unit, always refer to and follow the safety messages and applicable service procedures provided by the manufacturer of the vehicle being serviced.

• Read All Safety Instructions

Read, understand and follow all safety messages and instructions in this manual. Safety messages in this section of the manual contain a signal word with a three-part message and, in some instances, an icon.

• Signal Words

The signal word indicates the level of the hazard in a situation:

⚠ DANGER

Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury to the operator or to bystanders.

⚠ WARNING

Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury to the operator or to bystanders.

⚠ CAUTION

Indicates a potentially hazardous situation which, if not avoided, may result in moderate or minor injury to the operator or to bystanders.

IMPORTANT

Indicates a situation which, if not avoided, may result in damage to the machine, or the vehicle being serviced.

• Safety Messages

Safety messages in this section contain three different type styles:

- Normal type states the hazard.
- **Bold type** states how to avoid the hazard.
- *Italic type* states the possible consequences of not avoiding the hazard.

• Safety Symbols

A safety symbol, when present, gives a graphical description of the potential hazard, and how to avoid the hazard:

Risk of Fire

Read Instructions Before Use

Risk of Explosion

Mandatory Eye Protection

Risk of Entanglement

Mandatory Protective Gloves

Dangerous Fumes

Mandatory Protective Clothing

Do Not Pull or Move

Risk of Burns

IMPORTANT SAFETY INSTRUCTIONS

⚠ DANGER

Engine exhaust contains toxic gases.
• Vent vehicle's exhaust away from work area.
• Do not breathe exhaust.
Exhaust gases will cause injury or death.

⚠ WARNING

Improper use and operation.
• Read, understand and follow all safety messages and operational procedures in this manual before operating this machine.
• This equipment should be operated only by qualified personnel.
• Use this equipment only as described in this manual.
Improper use and operation of this product can result in injury.

⚠ WARNING

Engine systems can malfunction expelling fuel, oil vapors, hot steam, hot toxic exhaust gases and other flying particles.
• Wear safety goggles and protective clothing, user and bystander. Everyday eyeglasses only have impact resistant lenses, they are NOT safety glasses.
• Do not position head directly over or in front of carburetor or throttle body. Engine backfire can occur when air cleaner is out of normal position.
• Make sure gauge reads zero before connecting or disconnecting hose connections to adapters.
• Make sure cooling system pressure has been relieved before connecting or disconnecting hose connections and adapters.
• Keep a dry chemical (Class B) fire extinguisher rated for gasoline, chemical & electric fires in the work area.
Fire, explosion, or flying particles may cause serious injury.

⚠ WARNING

Risk of expelling pressurized fluids.
• Wear safety goggles and protective clothing, user and bystander.

• Engine systems can malfunction, expelling fuel, oil vapors, hot steam, hot toxic exhaust gases and other debris.
• Always unplug the machine from its power source when not in use.
• Keep the service hoses away from hot or moving engine parts. Hoses can split or burst causing fluid to be expelled.
• Avoid contact with brake fluid.
• Treatment methods are as follows:
Eyes: Flush eyes with plenty of water.
Skin: Wash with soap and water.
Inhalation: Move to uncontaminated area.
Ingestion: If large amount, get medical attention.
If any irritation persists, get medical attention.
• Dispose of used fluid according to environmental laws and regulations.
Fuel, oil vapors, hot steam, hot toxic exhaust gases, pressurized fluid, and other debris can cause serious injury.

⚠ WARNING

Risk of unexpected vehicle movement.
• Block drive wheels before starting vehicle's engine to begin an exchange.
• Unless instructed otherwise, set parking brake and put gear selector in park.
• Do not leave a running vehicle unattended.
• If vehicle has an automatic parking brake release, disconnect release mechanism for testing and reconnect when testing is completed.
A moving vehicle can cause injury.

⚠ WARNING

Risk of entanglement. Engine has moving parts.
• Do not place tools on fenders or other places in engine compartment.
• Keep yourself, clothing, battery cables and service hoses clear of moving parts such as fan blades, belts, pulleys, hood and doors.
• Barriers are recommended to help identify danger zones in test area.
• Prevent personnel from walking through immediate test area.
Contact with moving parts can cause injury.

⚠ WARNING

Risk of fire or explosion.
• Do not operate in the vicinity of open containers of flammable liquids such as gasoline.
• Keep hoses and jumper cables away from heat sources and sharp edges.
• Do not operate equipment with damaged cords or hoses until they have been examined by a qualified serviceman.
Fire or explosion can cause injury.

⚠ WARNING

Risk of fire or explosion. Gases produced by a battery are highly explosive.
• Wear safety goggles and protective clothing, user and bystander.
• This machine is equipped to operate on 12-volt DC power only. A power source greater than this can result in serious injury to the user as well as damage to the machine.
• Do not smoke, place metal tools on battery or allow a spark or flame in vicinity of battery.
• Clean battery terminals before hooking the machine's battery clips to them. During cleaning, keep airborne corrosion from eyes, nose and mouth.
• Be sure both battery cables are tightly connected to the battery terminals as instructed before proceeding with a fluid exchange.
• Never remove battery cables from the battery terminals while the machine is operating.
Battery explosion can cause injury.

⚠ WARNING

Risk of burns.
• Wear gloves when handling hot engine components.
• Do not touch hot exhaust systems, manifolds, engines, radiators, etc.
Hot engine parts may cause injury.

⚠ WARNING

Battery acid is a highly corrosive sulfuric acid.
• Wear safety goggles and protective gloves, user and bystander.
• Have plenty of fresh water and soap nearby. If battery acid contacts skin, clothing, or eyes, flush exposed area with soap and water for 10 minutes.
• While cleaning battery's terminals, keep airborne corrosion from eyes, nose and mouth.
• Do not touch eyes while working near battery.
Battery acid can burn eyes and skin.

⚠ WARNING

Risk of burns.
• Wear gloves when working near hot engine components.
• Do not touch hot exhaust systems, manifolds, engines, radiators, etc.
• The fluid coming from the vehicle along with some of the machine's components that the fluid comes into direct contact with (i.e. hoses and fittings) may reach temperatures uncomfortable to the touch. Exercise caution in avoiding contact with these items.
Hot components can cause injury or discomfort.

⚠ CAUTION

Risk of injury.

• This equipment should be operated by qualified personnel only.
• Use this equipment only as described in this manual.
• Always unplug the machine from its power source when not in use.
• Loop the power cord loosely in its proper location when machine is not in use.
• Do not operate equipment with a damaged battery cables or hoses, or if the equipment has been dropped or damaged, until it has been examined by a qualified service representative.
• Care should be taken to arrange the battery cables and service hoses so that they will not be tripped over or pulled.
• Never pull on the power cables or service hoses to transport the machine. Damage may occur to these components, or machine may tip over.
• Keep area of operation clear of unnecessary tools and equipment. Utilize recessed tool storage areas on the top of the machine.
• Never leave the machine running unattended.
• The BrakeMate is not designed for any other purpose than the servicing of automotive brake systems.
Operation of this machine by anyone other than qualified personnel may result in injury.

⚠ CAUTION

Misdiagnosis may lead to incorrect or improper repair and/or adjustment.

• Do not rely on erratic, questionable, or obviously erroneous test information or results. If test information or results are erratic, questionable, or obviously erroneous, make sure that all connections and data entry information are correct and that the test procedure was performed correctly. If test information or results are still suspicious, do not use them for diagnosis.
Improper repair and/or adjustment may cause vehicle or equipment damage or unsafe operation.

IMPORTANT

Risk of equipment damage.

• Connect battery cables to a 12-volt power source only (i.e. vehicle's battery).
• Servicing, transporting, or storing this machine in an attitude other than the normal operating position can result in fluid spillage and/or component damage.
• Never pull on the power cables or service hoses to transport the unit. Damage may occur to these components, or machine may tip over. Always use the handle to move.
• Periodically clean the machine by wiping down with a clean, soft, dry cloth.
Improper operation of equipment may result in damage to machine or components.

SAVE AND FOLLOW THESE INSTRUCTIONS!

DIMENSIONS & TECHNICAL SPECIFICATIONS

DIMENSIONS:

39" Tall
17" Wide
31" Deep

Service Hose:
15’ outside of machine

Wheels:
5” locking casters (front)
5” casters (back)

Fluid Tanks:
7-Quart New Fluid Tanks
20-Quart Waste Fluid Tank

Weight:
70 lbs

TECHNICAL SPECIFICATIONS:

Power:
12-Volt DC from vehicle battery

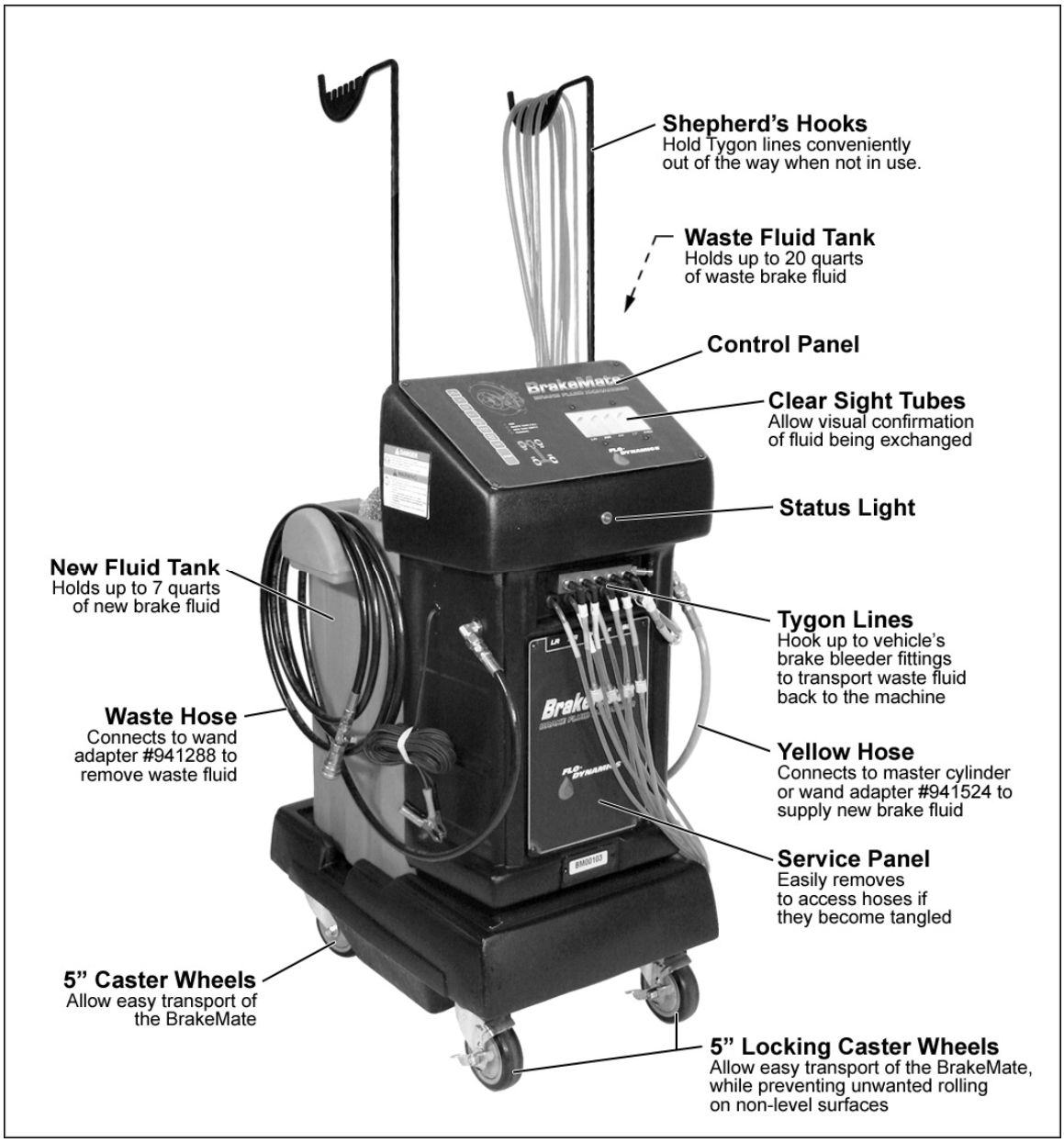
Fuse:
15 Amp

Operating Temperature:
60º to 110ºF (15º to 43ºC)

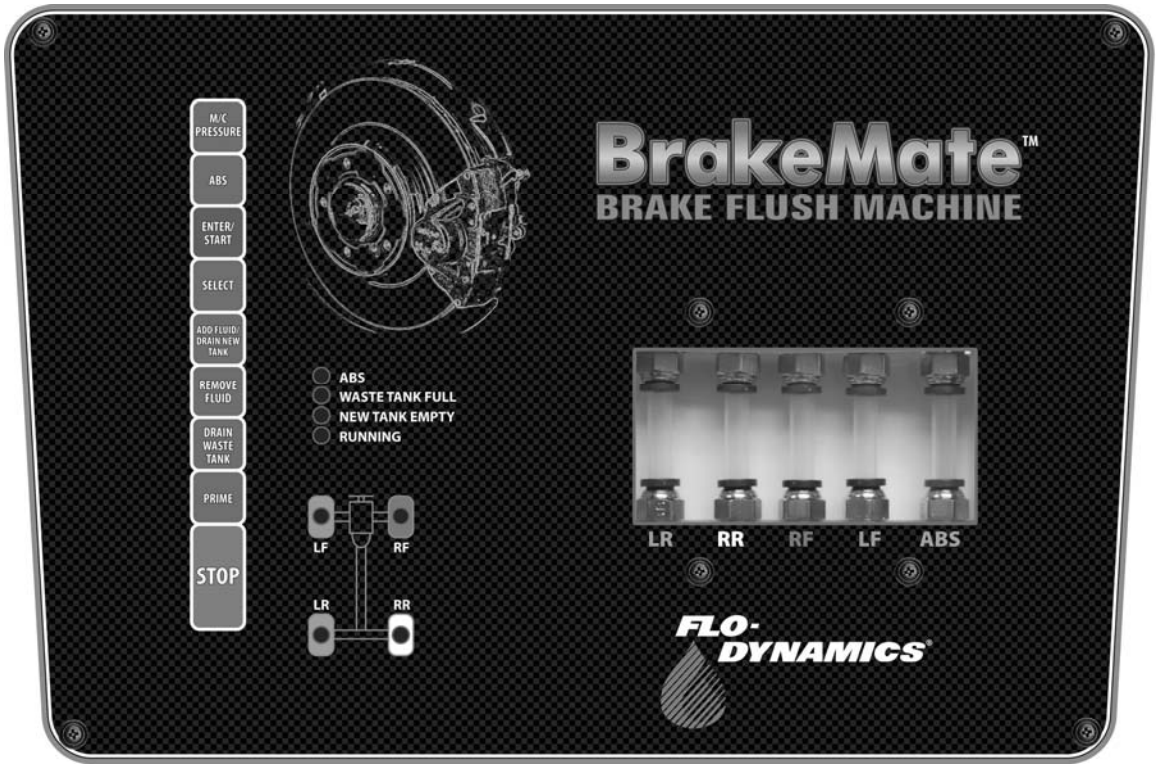
FEATURES

- Durable roto-cast polyethylene body and tanks prevent vehicle damage
- Ergonomically correct working height
- 5” caster wheels allow easy maneuverability
- Clear sight tubes allow visual confirmation of new and waste fluid movement
- Easy access service panel

MACHINE OVERVIEW



CONTROL PANEL OVERVIEW



BUTTONS

Button:	Function:
M/C PRESSURE	Pressurizes the master cylinder.
ABS	Toggles ABS function on and off.
ENTER/ START	Enter sequence wheel choice/start exchange.
SELECT	Selects wheel sequence for exchange.
ADD FLUID/ DRAIN NEW TANK	Pumps new fluid out of service hose.
REMOVE FLUID	1 Press- Pulls fluid through ABS line. Press and Hold - Pulls fluid through all 5 lines.
DRAIN WASTE TANK	Drains waste tank through service.
PRIME	Purges air out of service hose after machine is completely emptied of fluid.
STOP	Stops operations.

LED Lights

Light:	Indication:
ABS	ABS mode is turned on.
WASTE TANK FULL	The waste fluid tank needs to be drained.
NEW TANK EMPTY	There is no more new fluid in the machine.
RUNNING	The brake flush is in progress.
STATUS LIGHT	Steady - Machine has power. Flashing - Current process is complete.

OPERATING PROCEDURES

NOTE: *If machine will not prime or drain, remove service panel and locate solenoid valve (labeled #1). Loosen hose fitting until a small amount of fluid drips out. Tighten and reattempt prime or drain.*

MACHINE SETUP:

1. Fill New Fluid Tank with fresh brake fluid.
2. Connect the machine's battery cables to the vehicle's battery.
3. When the machine powers up you will notice the light on the front of the machine always stays lit telling you you're connected to power.
4. With all hoses on resting ports press the "PRIME" button.
5. Let machine run until you see fluid in the yellow Tygon lines.
6. Press "STOP" button.
7. Close ball-valve on service hose.
8. Hold "REMOVE FLUID" button down until all lights come on.
   This will relieve pressure on the red manifold after priming.

DRAIN THE MASTER CYLINDER:

1. Remove ABS yellow Tygon line from holder and attach suction hose.
2. Remove the master cylinder cover and insert suction hose, then press the "REMOVE FLUID" button on the control panel.
   NOTE: Leave a small amount of fluid in the bottom of the reservoir to make sure no air is introduced into the system.
3. Press the "STOP" button when finished removing fluid.

CONNECT TO THE MASTER CYLINDER:

1. Find and attach correct master cylinder adapter from adapter kit.
2. Attach yellow hose to master cylinder adapter and make sure the ball valve is in the open position.
3. Press the "M/C PRESSURE" button and verify that there are no leaks around the master cylinder cap. This button will pressurize the brake system so you can safely open the bleeder screws preventing air from entering the bleeder.
   NOTE: Make sure the pressure hose is not putting any torque on the master cylinder adapter, which may cause leakage.

CONNECT TO THE BLEEDER VALVES:

1. Raise the vehicle.
2. Verify that all bleeder screws can be opened before attaching Tygon lines.
3. Attach Tygon lines to respective bleeder fittings.
4. Open bleeder screws about 1/4 turn until fluid begins to flow into the yellow lines.
   NOTE: Make sure the bleeder stays open after you remove the wrench.
5. If desired and the vehicle is equipped, the ABS line can be connected to the bleeder screw on the ABS unit in the engine bay and the ABS function can be toggled on in order to flush the ABS unit (this step is not required to perform a flush).

BEGIN THE FLUSHING PROCESS:

1. The lights on the board depicting the wheels of the car will flash from one to the next when no sequence is selected.
2. Select a sequence by touching the “Select” button until the wheel you want to service first is illuminated; then touch the “Enter/Start” button.
3. Repeat until all wheels have been selected.
4. Touch the “Enter/Start” button again after all wheels have been selected to start the flush.

DISCONNECT:

1. Close all bleeder valves on vehicle.
2. Return to machine and hold “Remove Fluid” button down until vacuum pump begins to run and all four wheel lights illuminate on control panel.
3. Remove all yellow Tygon lines from bleeder fittings
4. Lower the vehicle.
5. Close ball valve on pressure line and carefully remove from adapter using rag.
6. Remove master cylinder adapter and verify fluid level in reservoir.

ADJUST FLUID LEVEL:

TOP OFF:

1. Connect open end hose to yellow service hose and press “ADD FLUID” button.
2. Slowly open ball valve until fluid reaches the correct level.
3. Replace the master cylinder cover.

REMOVE FLUID:

1. Remove ABS line from holder and attach suction hose.
2. Remove the master cylinder cover and insert suction hose, then press the “REMOVE FLUID” button on the control panel.
3. Press the “STOP” button when finished removing fluid.
4. Replace the master cylinder cover.

TEST:

1. Start vehicle and check brake pedal to ensure solid feeling.

DRAIN THE WASTE FLUID TANK:

1. Connect the machine’s battery cables to a 12V power source.
2. Connect open-end hose to black service hose and insert into appropriate disposal container.
3. Open the ball valve.
4. Press “DRAIN WASTE TANK” button on the control panel.

WARNING!

Brake fluid is highly corrosive, and will damage surfaces if not cleaned up promptly. Always check for brake fluid under the machine before storing, especially under the back of the machine where new fluid is filled. Any spills should be cleaned up immediately.

Brake Bleeder Adapter Application Chart

		Flo Part #		
BMW	All	941592W	BA05	
CADILLAC	32V Northstar 1996-	941591W	BA04	
	Eldorado TC 1996-	941591W	BA04	
	Seville SLS 1996-	941591W	BA04	
	Seville STS 1996-	941591W	BA04	
	SRX 2003-	941591W	BA04	
	CTS (DOT3) 2001-	941591W	BA04	
	XLR 2003-	941591W	BA04	
	BLS 2005-	941592W	BA05	
CHEVROLET	Alero 1999-	941591W	BA04	
	Astro-Van 1996-	941598W	BA12	*
	Blazer 1996-	941591W	BA04	
	Blazer 1999-	941591W	BA04	
	Camaro 1999-	941591W	BA04	
	Corvette 1996-	941591W	BA04	
	Hummer H2 + H3 2003-	941591W	BA04	
	S10 Pick-Up 2WD + 4WD 1996-	941591W	BA04	
	Surburban 1996-	941598W	BA12	*
	Tahoe 1996-2002	941598W	BA12	*
	Tahoe 2003-	941591W	BA04	
	Trans Sport 1999-	941591W	BA04	
	Trail Blazer 2001-	941591W	BA04	
CHRYSLER	Crossfire 2003-	941592W	BA05	
	300M 2.7 Executive 1999-	941590W	BA03	
	300C Touring + Sedan 2005-	941588W	BA01	
	Neon Sport 16V 1996-	941590W	BA03	
	Neon LE 1,6 2001-	941588W	BA01	
	New Yorker	941590W	BA03	
	PT Cruiser 2001-	941588W	BA01	
	Sebring 2001-	941590W	BA03	
	Stratus 1999-	941590W	BA03	
	Vision	941591W	BA04	
	Viper 2003-	941588W	BA01	
	Grand Voyager 1999-	941590W	BA03	
	Grand Voyager 2002	941588W	BA01	
	Voyager LE 1996 -	941588W	BA01	
	Voyager SE 1994-	941588W	BA01	
	Voyager SE 2,4 2001-	941588W	BA01	
	Voyager LX 2,5 2001-	941588W	BA01	
DAEWOO	Aveo 2005-	941592W	BA05	
	Espero	941592W	BA05	
	Evanda 2003-	941591W	BA04	
	Kalos 2003-	941592W	BA05	
	Lacetti 2003-	941592W	BA05	
	Lanos	941592W	BA05	
	Nexia	941592W	BA05	
	Nubira 1999-	941592W	BA05	
	Nubira 2001-	941591W	BA04	
	Nubira WTCC R+ 2005-	941592W	BA05	
DAIHATSU	Charmant 1989-	941593W	BA07	
	Copen 2003-	941594W	BA08	
	Cuore / Charade -1989	941593W	BA07	
	Cuore (L701) 1999-	941594W	BA08	
	Cuore (L251) 2005-	941594W	BA08	
	Move (L901)	941593W	BA07	
	Gran Move (G301)	941593W	BA07	
	Sirion (M100; M101)	941593W	BA07	
	Sirion (100,M101,M111) 2003-	941594W	BA08	
	Terios (J102)	941596W	BA10	
	YRV (M201)	941593W	BA07	
FERRARI	Alle Pkw	941592W	BA05	
	328 GTB	941592W	BA05	
	328 GTS	941592W	BA05	
	F40	941592W	BA05	
	Mondial T + convertable top	941592W	BA05	
	Testarossa	941592W	BA05	
FIAT	Most	941592W	BA05	
FORD	All older 2 tab models	941589W	BA02	
	Cougar 1999-	941592W	BA05	
	Courier 1995-	941592W	BA05	
	Escort 1996-	941592W	BA05	
	Explorer	941590W	BA03	
	Fiesta 1996-	941592W	BA05	
	Focus	941592W	BA05	
	Fusion	941592W	BA05	
	Galaxy 1995-	941592W	BA05	
	Galaxy 2003-	941592W	BA05	
	Maverick + Ranger 1996-	941590W	BA03	
	Navigator (USA) 2001-	941590W	BA03	
	Probe -1992	941590W	BA03	
	Probe 1993-	941592W	BA05	
	Ranger 1999-	941592W	BA05	
	Transit Van 1998-	941592W	BA05	
	Windstar 1996-	941590W	BA03	
GM	All	941591W	BA04	
HONDA	Civic/Accord/Prelude 1976-83	941594W	BA08	
	Accord 1985-1992	941595W	BA09	
	Accord 1996-	941595W	BA09	
	Accord 1999-	941595W	BA09	
	Civi Shuttle	941593W	BA07	
	Civic 1992-	941594W	BA08	
	Civic 1996-	941595W	BA09	
	Civic (EJ 9) 1999-	941595W	BA09	
	CRX 1,6	941593W	BA07	
	CRX 1,6 1997-	941595W	BA09	
	HR-V 1999-	941595W	BA09	
	Insight 1999-	941595W	BA09	
	Legend 1991-	941595W	BA09	
	Logo 1999-	941595W	BA09	
	NSX-T (1981- =DOT3) 1999-	941594W	BA08	
	Odyssey (US-Minivan) 1999-	941595W	BA09	
	Prelude 1991-	941594W	BA08	
	Prelude 1992-	941595W	BA09	
	Prelude 2,0	941593W	BA07	
	S 2000 1999-	941595W	BA09	
	Shuttle 1997-	941594W	BA08	
HYUNDAI	All	941590W	BA03	
ISUZU	Frontera 1989-	941594W	BA08	
	Monterey 1989-	941594W	BA08	
	Rodeo 2005-	941594W	BA08	
	Trooper -1989	941593W	BA07	
	Trooper 1989-	941594W	BA08	
JAGUAR	Jaguar XJ Twin TD 2005-	941592W	BA05	
	Jaguar XKR 1999-	941592W	BA05	
	Jaguar XJR 1999-	941592W	BA05	
	Jaguar Souvereign 4.0	941592W	BA05	
	Jaguar S-Type V8 1999-	941590W	BA03	
	Jaguar S-Type R 2003-	941592W	BA05	
	Jaguar X-Type 2001-	941592W	BA05	
	Jaguar Daimler Super V8	941592W	BA05	
JEEP	Jeep Cherokee 1995	941590W	BA03	
	Jeep Cherokee 1996-	941588W	BA01	
	Jeep Wrangler 1996-	941588W	BA01	
	Jeep Wrangler Sport 1999-	941588W	BA01	

* — OPTIONAL

Brake Bleeder Adapter Application Chart

			Flo Part #	
JEEP	Jeep Wrangler	2003-	941588W	BA01
	Jeep Grand Cherokee	1996-	941588W	BA01
KIA	Carens	1999-	941590W	BA03
	Carens	2001-	941592W	BA05
	Carnival	1999-	941592W	BA05
	Carnival	2005-	941590W	BA03
	Cerato	2005-	941590W	BA03
	Clarus	1997-	941592W	BA05
	Joice		941590W	BA03
	Magentis	2001-	941590W	BA03
	Opius	2003-	941592W	BA05
	Picanto	2005-	941590W	BA03
	Rio	2000-	941593W	BA07
	Rio	2003-	941590W	BA03
	Pride	1995-	941593W	BA07
	Sephia	1995-	941592W	BA05
	Shuma	2000-	941592W	BA05
	Sorento	2003-	941592W	BA05
	Sportage	1995-	941592W	BA05
LAMBORGHINI	All		941592W	BA05
LAND ROVER	All		941592W	BA05
LEXUS	All		941596W	BA10
MASERATI	3200 GT	1999-	941592W	BA05
	Quattroporte	1999-	941592W	BA05
MAZDA	121	1995-	941590W	BA03
	121 LX		941593W	BA07
	2	2003-	941592W	BA05
	3	2003-	941592W	BA05
	5	2005-	941592W	BA05
	626 LX / GLX		941593W	BA07
	6	2003-	941591W	BA04
	B2500 PickUp 4WD	1998-	941592W	BA05
	B-Serie 2.5L TD	1999-	941592W	BA05
	Demio	1998-	941593W	BA07
	Luxus / LX + Sport		941593W	BA07
	MPV	1999-	941590W	BA03
	MPV	2001-	941591W	BA04
	MX-5	1999-	941590W	BA03
	MX-5	2005-	941592W	BA05
	Premacy		941591W	BA04
	RX-8	2003-	941591W	BA04
	Tribute	2001-	941590W	BA03
MERCEDES-BENZ	All		941592W	BA05
MINI	All		941592W	BA05
MITSUBISHI	All		941590W	BA03
NISSAN	100 NX	1993-	941590W	BA03
	200 NX	1993-	941593W	BA07
	200 SX	1995-	941590W	BA03
	200 SX - Turbo Maxima 3,0		941593W	BA07
	350Z	2003-	941590W	BA03
	Almera	1995-	941590W	BA03
	Maxima QX	1995-	941590W	BA03
	Pathfinder + RS1	2005-	941590W	BA03
	Patrol GR TD6	1999-	941590W	BA03
	Patrol Turbo D		941593W	BA07
	Pick Up		941593W	BA07
	Pick Up	2001-	941590W	BA03
	Altima and Xterra		941595W	BA13
PONTIAC	Firebird + Cabrio		941591W	BA04
	Trans Sport		941591W	BA04
PORSCHE	All		941592W	BA05
RENAULT	All		941592W	BA05

			Flo Part #	
ROVER	All		941590W	BA03
SAAB	All		941590W	BA03
SUBARU	Coupe 1800	1988-	941590W	BA03
	Forester	1999-	941590W	BA03
	Forester	2000-	941590W	BA03
	Impreza 1,8GL		941590W	BA03
	Impreza 4WD	1998-	941590W	BA03
	Impreza WRX	2001-	941590W	BA03
	Justy	2003-	941590W	BA03
	Legacy	1995-	941590W	BA03
	Legacy +Kombi	1999-	941590W	BA03
	Outback	1989-	941590W	BA03
	Sedan 1800 4WD		941590W	BA03
SUZUKI	Alto	1996-	941592W	BA05
	Samurei	1993-	941592W	BA05
	Samurei Van	1989-	941593W	BA07
	Samurei Van + Pick Up	1999-	941592W	BA05
	SJ Samurei + SJ 413	1985-	941593W	BA07
TOYOTA	Avensis	1998-	941592W	BA05
	4-Runner	1996-	941596W	BA10
	Camry	1993-	941596W	BA10
	Camry		941597W	BA11
	Carina	1993	941596W	BA10
	Celica 4WD		941597W	BA11
	Celica GT 2,0 / GT 1600		941597W	BA11
	Celica GT 2,0 / GT 1600	2001-	941596W	BA10
	Celica CS	2003-	941596W	BA10
	Corolla		941597W	BA11
	Corolla E11		941596W	BA10
	Corolla	1993-	941596W	BA10
	Corolla	1996-	941597W	BA11
	Corolla Combi	1972-1986	941597W	BA11
	Corolla	2003-	941592W	BA05
	Cressida	1977-1981	941592W	BA05
	Crown	1985-	941593W	BA07
	Landcruiser		941593W	BA07
	Landcruiser HJ100		941596W	BA10
	Landcruiser	2003-	941596W	BA10
	MR-2	2003-	941596W	BA10
	Previa		941596W	BA10
	Prius	2001-	941596W	BA10
	RAV 4	1996-	941596W	BA10
	EAV-4	2003-	941596W	BA10
	Starlet		941597W	BA11
	Tercel		941597W	BA11
VOLVO	All		941592W	BA05
VOLKSWAGEN	All		941592W	BA05
	Beetle	1998-2002	941592W	BA05
	Beetle	2003-	941592W	BA05
	Caddy	2005-	941592W	BA05
	EOS	2005-	941592W	BA05
	Multivan	2003-	941592W	BA05
	1500 Typ 1		941593W	BA07
	1500 / 1600 Typ 3		941593W	BA07
	411 / 412 Typ 2 (28 Durchm.)	1988-	941593W	BA07
	LT 28		941593W	BA07
	Lupo		941593W	BA07
	Sharan	-2002	941592W	BA05
	Sharan	2003-	941592W	BA05
	T4	1994-	941592W	BA05
NOTE: New for Older GM and Chrysler			941599W	BA14

REPLACEMENT PARTS LIST

Part #	Description
941587W	Control Panel w/ Electronic Board & Label
941504W	Complete Manifold Assembly
941556	Sight Glass Tube
941502	Pressure Side Pump
941503	Waste Tank Drain Pump
941545	Vacuum Side Pump
R941251	Level Switch
941506	Pressure Switch
941546W	Battery Cable Assembly
941416	Master Cylinder Adapter Kit
941510	Service Hose w/ Ball Valve
941512	Yellow Tygon Line
941535	1/8" Hose Barb for Tygon Lines
941500	Bleeder Nipple Adapter
941533	Quick Disconnect Fitting for Bleeder Nipple Adapter
941509	Internal Hose Kit
941540	Yellow Service Hose
941288	Wand Adapter (Waste Fluid)
941524	Wand Adapter (New Fluid)
R940750	Chassis
R940751	Console
942113	Tank Cap
941520	New Fluid Tank (White)
941252	Used Fluid Tank (Red)
941508	Service Panel Label
P941530	Shepherd's Hook
941261	Vinyl Mat
R942118	Locking Caster Wheel
R942137	Caster Wheel
941522	Operations Manual
941523-O	Quick Start Instruction Sheet

941502 *Pressure Side Pump*	**941503** *Waste Tank Drain Pump*	**941545** *Vacuum Side Pump*
R941251 *Level Switch*	**941506** *Pressure Switch*	**941504W** *Complete Manifold Assembly*
P941530 *Shepherd's Hook*	**941500** *Bleeder Nipple Adapter*	**941261** *Vinyl Mat*

To order replacement parts for the BrakeMate, call:

1-800-303-5874

MAINTENANCE

To keep your machine working properly…

- **Keep debris out of new fluid.**
- **Avoid spilling fluid on the control panel.**
- **Periodically wipe down exterior using a soft, damp cloth.**

CUSTOMER SERVICE CONTACT INFORMATION

If you are experiencing problems with this machine,
call technical support at:

1-800-303-5874

LIMITED ONE (1) YEAR WARRANTY

Flo-Dynamics warrants only to the original Purchaser that under normal use, care and service, the Equipment (except as otherwise provided herein) shall be free from defects in material and workmanship for one year from the date of original invoice. External hoses, remote control modules, adapters and all other attachments, supplies and consumables (except as otherwise provided herein) are warranted for 90 calendar days from the date of original invoice. Filter elements are not warranted. Printed circuit boards purchased from, but not installed by Seller are not warranted.

SELLER'S OBLIGATIONS UNDER THIS WARRANTY ARE LIMITED SOLELY TO THE REPAIR OR, AT SELLER'S OPTION, REPLACEMENT OF EQUIPMENT OR PARTS WHICH TO SELLER'S SATISFACTION ARE DETERMINED TO BE DEFECTIVE AND WHICH ARE NECESSARY, IN SELLER'S JUDGEMENT, TO RETURN THE EQUIPMENT TO GOOD OPERATING CONDITION. NO OTHER WARRANTIES EXPRESS OR IMPLIED OR STATUTORY, INCLUDING WITHOUT LIMITATION ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, SHALL APPLY AND ALL SUCH WARRANTIES ARE HEREBY EXPRESSLY DISCLAIMED.

This warranty does not cover (and separate charges for parts, labor and related expenses shall apply to) any damage to, malfunctioning, inoperability or improper operation of the Equipment caused by, resulting from or attributable to (A) abuse, misuse or tampering; (B) alteration, modification or adjustment of the Equipment by anyone other than Seller's authorized representatives; (D) improper or negligent use, application, operation, care, cleaning, storage or handling; (E) fire, water, wind, lightning or other natural causes; (F) adverse environmental conditions, including, without limitation, excessive heat, moisture, corrosive elements, or dust or other air contaminants, radio frequency interference, electric power failure, power line voltages beyond those specified for the equipment, unusual physical, electrical or electromagnetic stress, and/or any other condition outside of Seller's environmental specifications; (G) use of the Equipment in combination or connection with other equipment, attachments, supplies or consumables not manufactured or supplied by Seller; or (H) failure to comply with any applicable federal, state or local regulation.

Repairs or replacements qualifying under this Warranty will be performed on regular business days during Seller's normal working hours within a reasonable time following Purchaser's request. **All requests for Warranty service must be made during the stated Warranty period.** This warranty is non-transferable.

Notes